

## **A Novel Formulation of *Carica Papaya* Leaf Extract for an Acute Viral Infection (Dengue Fever)**

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**Background:** Dengue contamination is a viral disease spread by mosquitoes with the quickest spreading in the world. It happens particularly in tropical and sub-tropical nations and *Carica papaya* leaf juice helps increasing the platelet count the leaves belongs to the family Caricaceae order Brassicales these leaves Recently, the utilization of elective medication and the consumption of plant materials have increased in numerous nations in the world, are commonly viewed as less poisonous and reactions than engineered ones.

**Objective:** The main purpose of our study is to formulate and evaluate the carica papaya leaf extract tablets and syrup to treat a life threatening disease dengue fever.

**Material and Methodology:** The prepared syrup and tablets containing all the natural ingredients which can be used by any person this syrup increased the platelets count in anemic person as well as can be given for prophylaxis.

We convinced 10 surrounding patients to take our medicine as it was totally herbal medicine without any side effects. We checked our syrup on 5 patients and tablets on other 5 patients and their CBC were checked which showed a drastic change in their platelets count as well as in their neutrophils and WBC's count. The syrup was given to the patient who was bitten by the carrier mosquito, 30ml BID (two times a day) before meal for the adult patients and 5-10ml BID for children for 6 consecutive days and the tablet was also given to 5 other dengue patients, 350mg tablet BID (two time a day) for five consecutive days and their CBC was checked before and after the dosage form taken.

**Result:** The prepared dosage form was given to a 10 patients of different age groups and sex who was bitten by carrier mosquitoes. The patients' blood sample was analyzed and the data shows in the below table:

**Conclusion:** After conducting the above trial we were able to conclude that *Carica papaya* leaf extract can be used for the treatment of dengue fever which can increase the platelets count in patient suffering from dengue fever and it help in treating the dengue fever without having any side effects and one of the easy and cheap way to treat the disease.